



### Activity 7



You have learned about components that are used in basic robots. A security barrier is an example of a basic robot. This robot will use components to do different things.

A security barrier robot must know if there is movement using a sensor.

- ⦿ If there is movement, then:
- ⦿ make the barrier go up
- ⦿ hold the barrier when it is in the 'up' position
- ⦿ wait 5 seconds
- ⦿ Else:
- ⦿ make the barrier go down

What components do you need for a security barrier robot?

Use the words below. Fill in the blank spaces.

Motion  
sensor

Ambient light  
sensor

Microcontroller

Line sensor

Servomotor

#### Components for a security barrier robot

Sense	Compute	Act